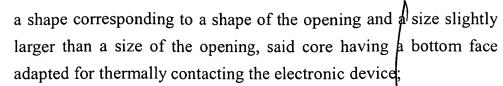
Claims:

A method for forming a base of a heat sink on which heat dissipating fins are attached, the base comprising a body made of a first metal having a first heat conductivity and a core made of a second metal having a second heat conductivity higher than the first heat conductivity, the method comprising the following steps:

- a) defining an opening in the body which has a shape corresponding to a shape of the core and a size slightly less than a size of the core;
- b) pressing the core into the opening of the body;
- c) stamping the core to cause it to plastically deform in radial directions and thereby become firmly combined with the body.
- 2. The method as claimed in claim 1, further comprising the following step after step c): d) removing any burring of the core flowing out from the opening such that surfaces of the core and the body are coplanarly smooth.
- 3. The method as claimed in claim 2, wherein the opening is circular and the core is circular, and a diameter of the opening is slightly less than a diameter of the core.
- 4. The method as claimed in claim 3, wherein the opening is a through opening and is defined in a center of the body.
- 5. The method as claimed in claim 1, wherein the body is made of aluminum and the core is made of copper.
- 6. A method for forming a heat sink for dissipating heat generated by an electronic device, the method comprising the following steps:
 - a) preparing a base, the preparing comprising the steps of:
 - i) providing a body made of a first metal having a first heat conductivity said body being formed with an opening therein;
 - ii) providing a core made of a second metal having a second heat conductivity higher than the first heat conductivity, said core having



- iii) pressing the core into the opening; and
- iv) stamping the core to cause it to plastically deform in radial directions, whereby the core and the body are securely connected together; and
- b) Preparing heat dissipating fins and attaching the fins to a top surface of the base.
- 7. The method as claimed in claim 6, further comprising the following step after step iv): v) removing any burring of the core flowing out from the opening such that surfaces of the core and the body are coplanarly smooth.
- 8. The method as claimed in claim 6, wherein the opening is circular and the core is circular, and a diameter of the opening is slightly less than a diameter of the core.
- 9. The method as claimed in claim 8, wherein the opening is a through opening and is defined in a center of the body.
- 10. The method as claimed in claim 6, wherein the body is made of aluminum and the core is made of copper.